

## Tessellation 27 (B)

Suite: Tessellation Party  
by Arya Akhavan (October 2013)

Angles for R.I. = 1.540

31 + 9 girdles = 40 facets

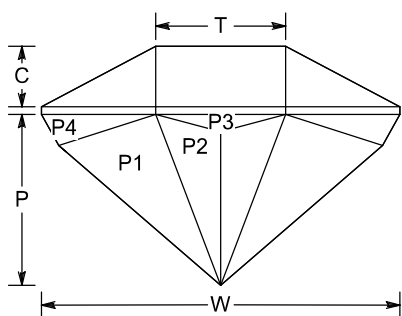
3-fold, mirror-image symmetry

96 index

$L/W = 1.050$   $T/W = 0.363$   $U/W = 0.314$

$P/W = 0.477$   $C/W = 0.168$

$Vol./W^3 = 0.218$



## PAVILION

P1	43.28°	06-26-38-58-70-90	Cut to centerpoint.
P2	44.07°	02-30-34-62-66-94	Meet at culet.
G1	90.00°	08-24-40-56-72-88	Set stone size.
G2	90.00°	96-32-64	Meet P1, P2, G1
P3	61.06°	96-32-64	Level girdle.
P4	61.06°	08-24-40-56-72-88	Level girdle.

## CROWN

C1	27.85°	08-24-40-56-72-88	Set girdle width.
C2	24.59°	96-32-64	Level girdle.
T	0.00°	Table	Meet C1, C2

This is a refined variant of my Tessellation 5 design. I decided I wanted a simpler crown and a more perfect outline. This version has flawless performance, high light return, and incredible contrast. I wish I knew how that happened! Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I prefer red garnets.

Suggested size = 6-15 mm

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